

Figure 1 shows a schematic diagram of a laser-based measurement system. The diagram illustrates the optical path from six lasers (L1-L6) through mirrors (M1-M6) and lenses (F1-F6) to a central processing unit (C). The unit C is connected to a series of sensors (S1-S96) and processing electronics. The processing electronics are connected to a computer system (labeled 100, 140, 160, 200, 210, R101, R116).

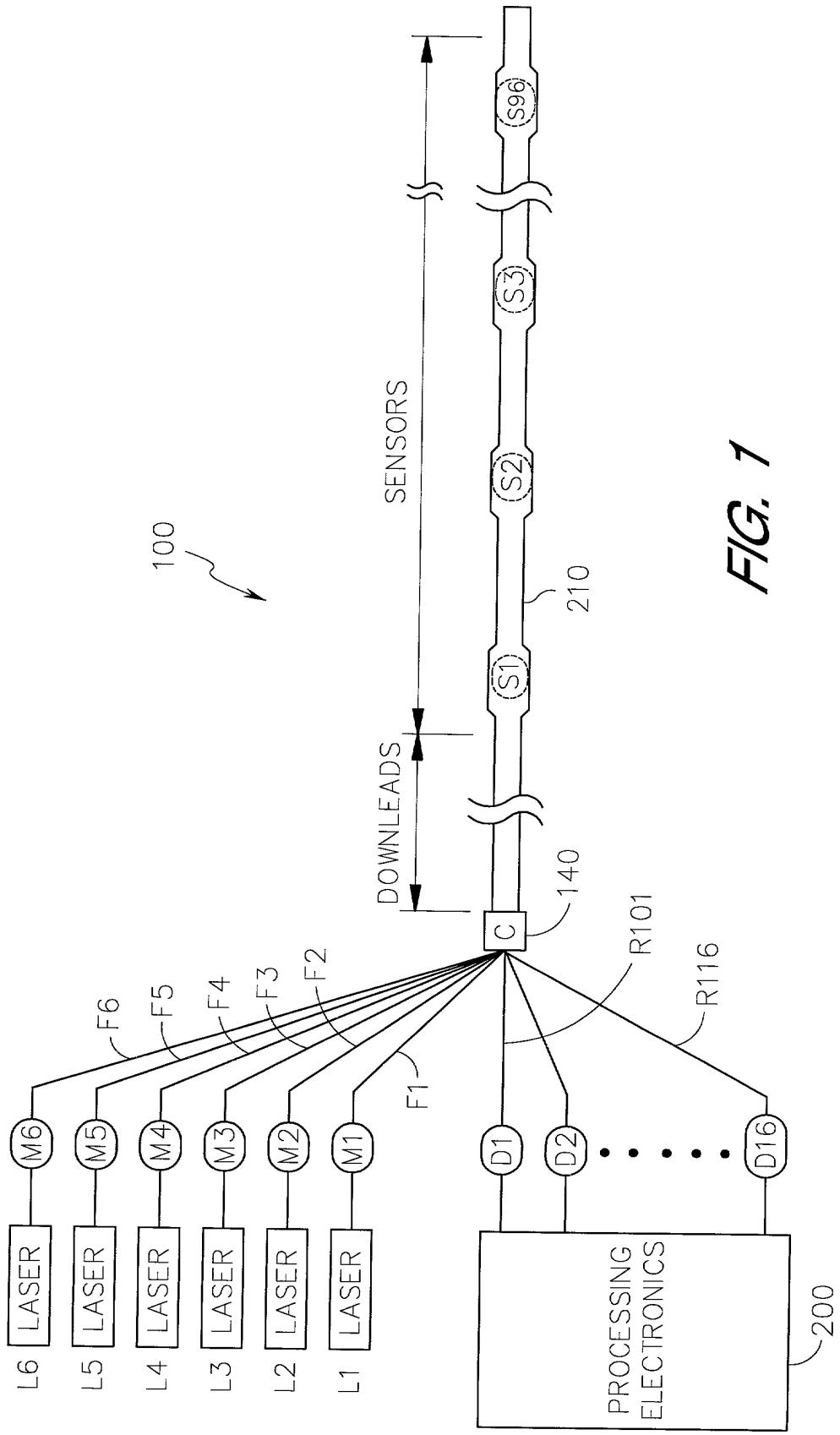


FIG. 1

FIG. 2

<i>FIG. 2A</i>	<i>FIG. 2B</i>	<i>FIG. 2C</i>	<i>FIG. 2D</i>	<i>FIG. 2E</i>	<i>FIG. 2F</i>	<i>FIG. 2G</i>	<i>FIG. 2H</i>
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Figure 2A shows a series of 16 RF signals (RF1 to RF16) plotted against time. The signals are grouped into four sets: 301, 302, 303, and 304. Each set contains four signals labeled DF1 through DF4. The signals are represented by lines with 'x' markers at each sampling point. The amplitude of each signal is indicated by a vertical scale on the right side of the plot.

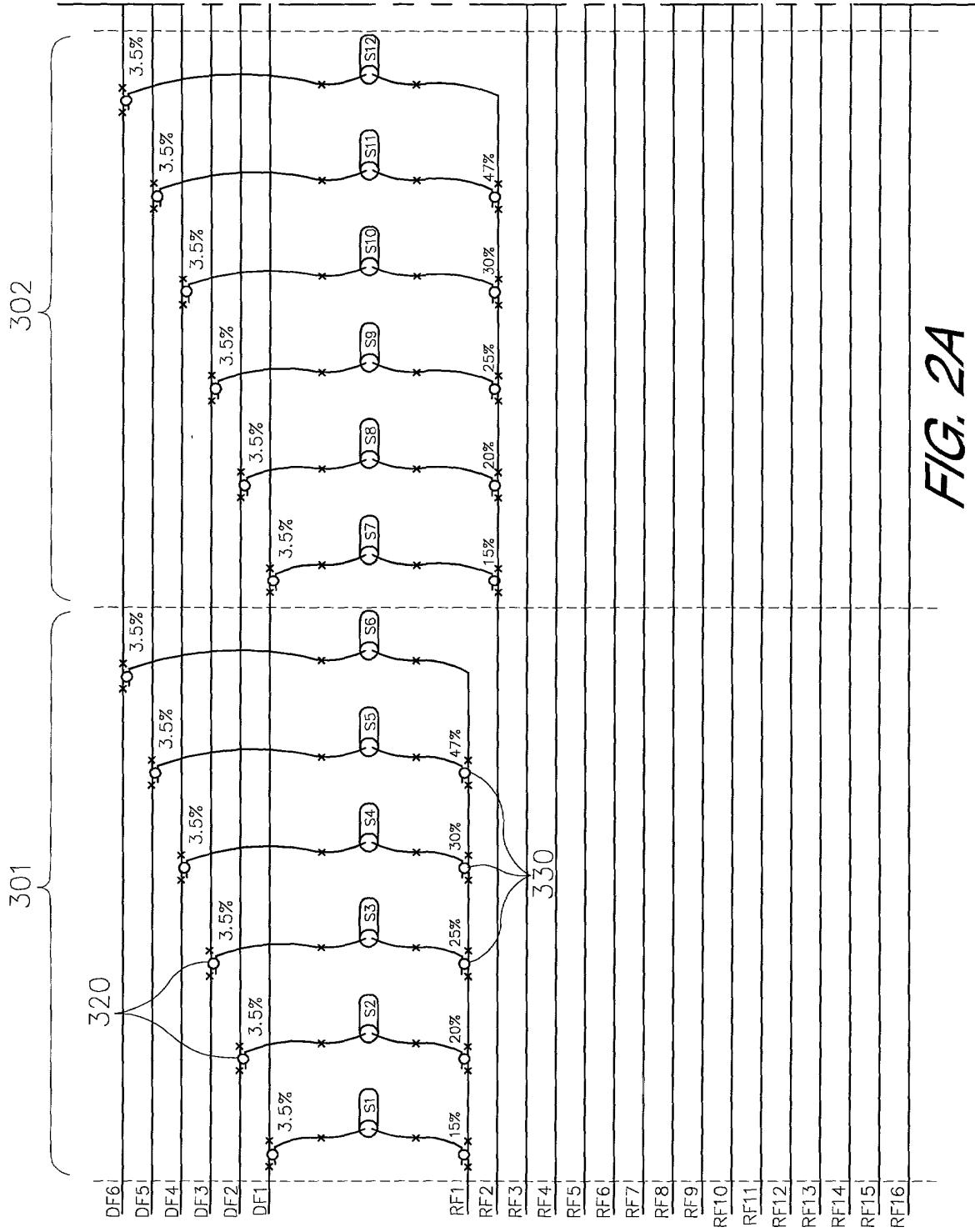


FIG. 2A

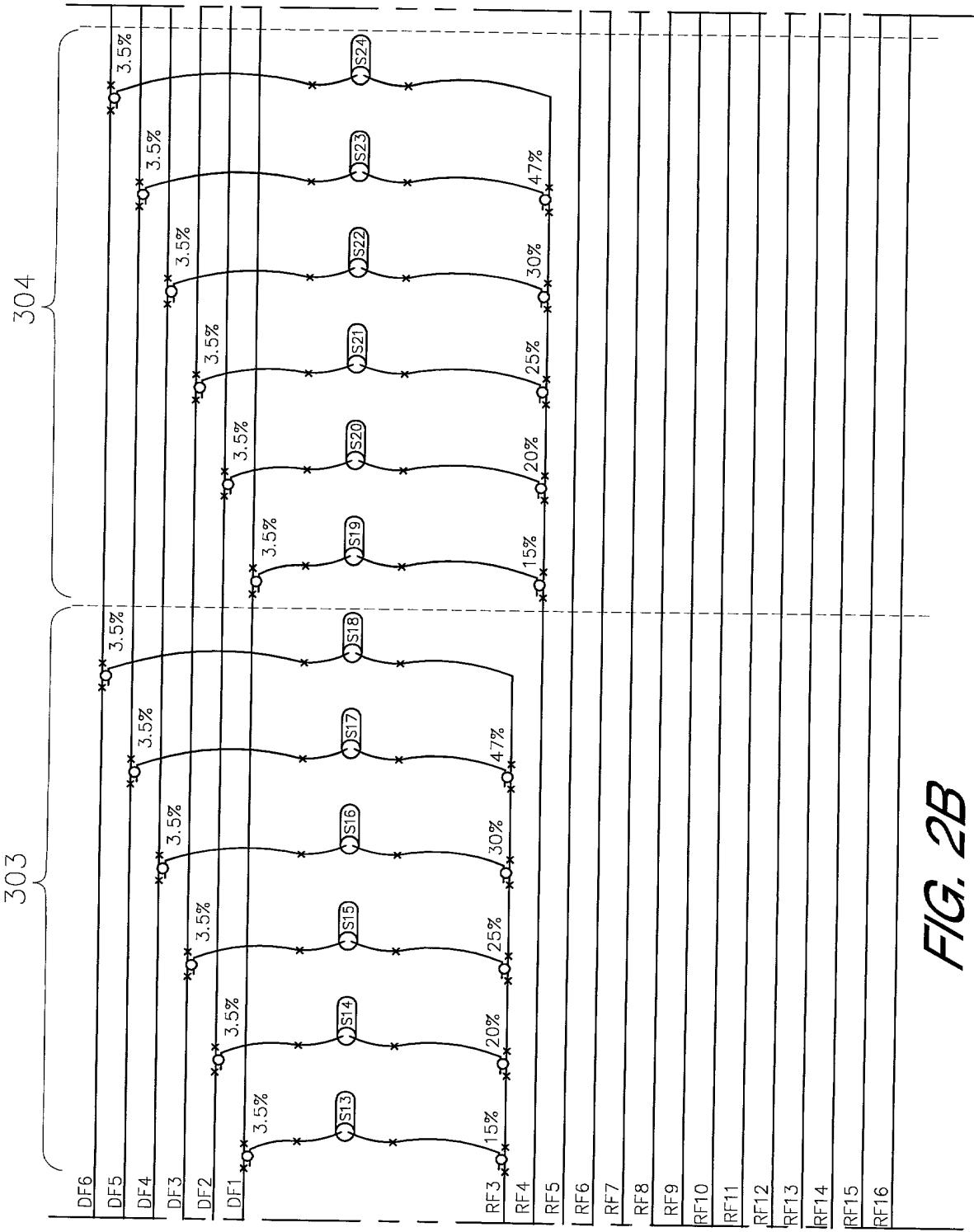


FIG. 2B

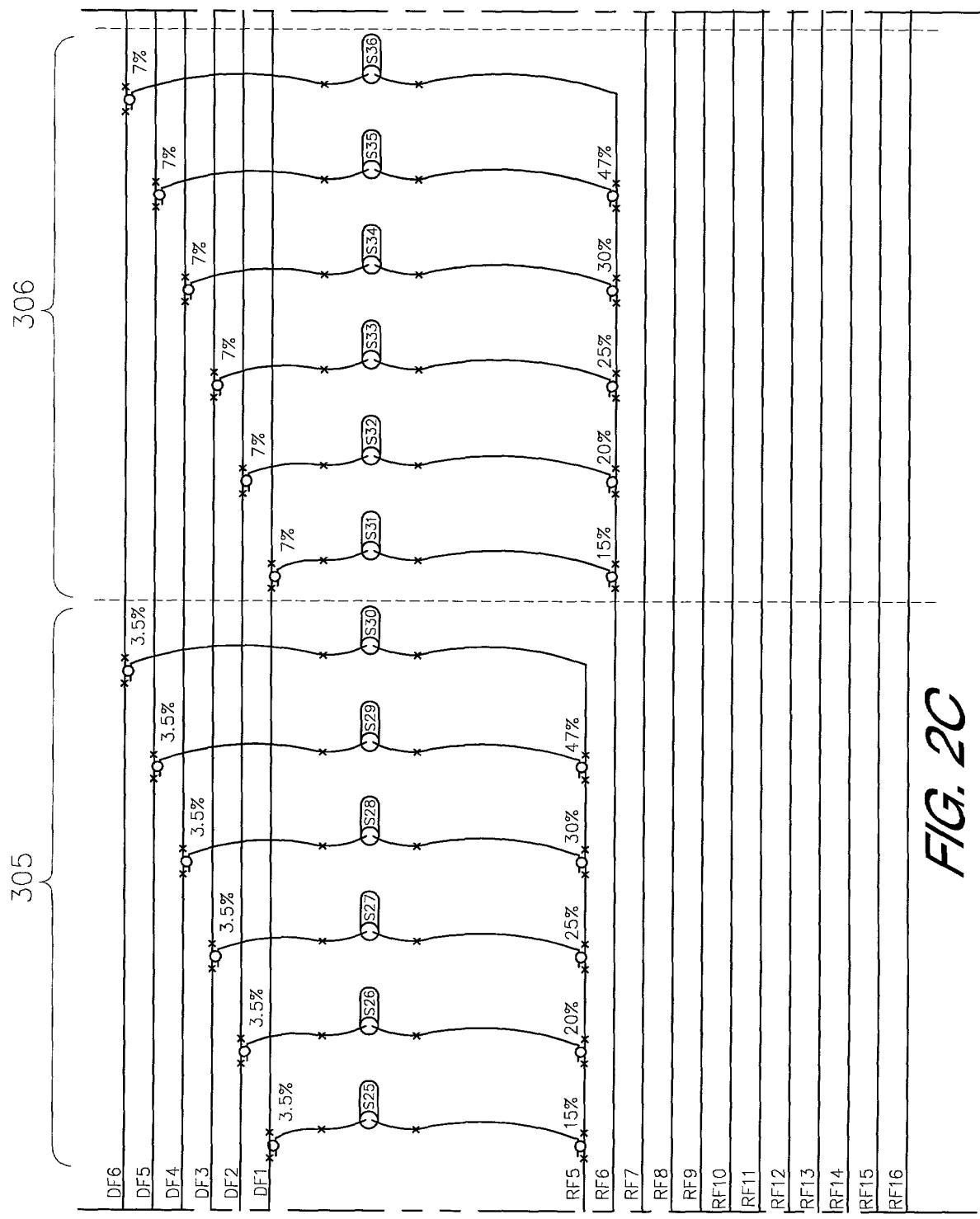


FIG. 2C

Fig. 2D
Schematic diagram of the
geological cross-section showing
the distribution of various rock types
and structures across the section.

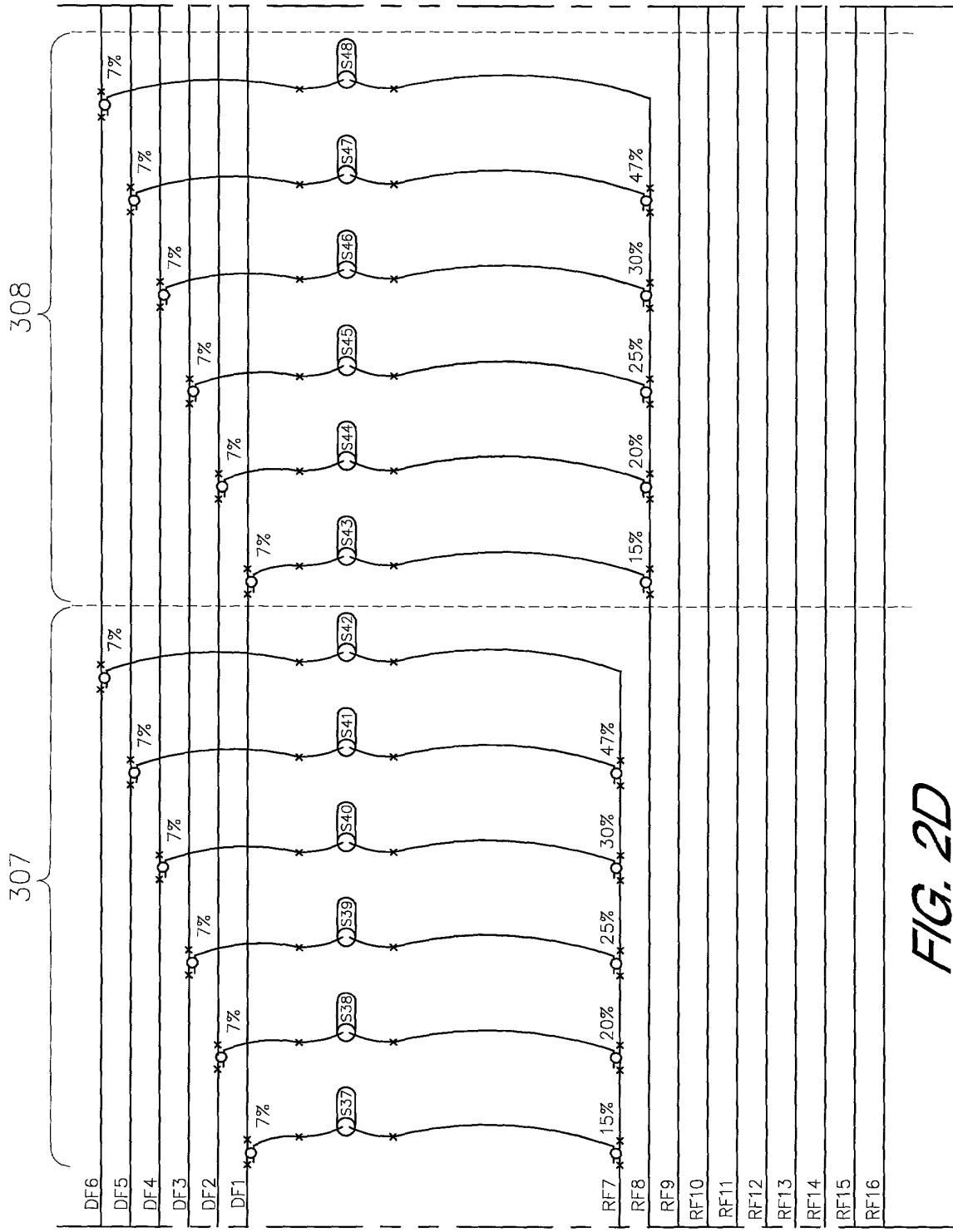


FIG. 2D

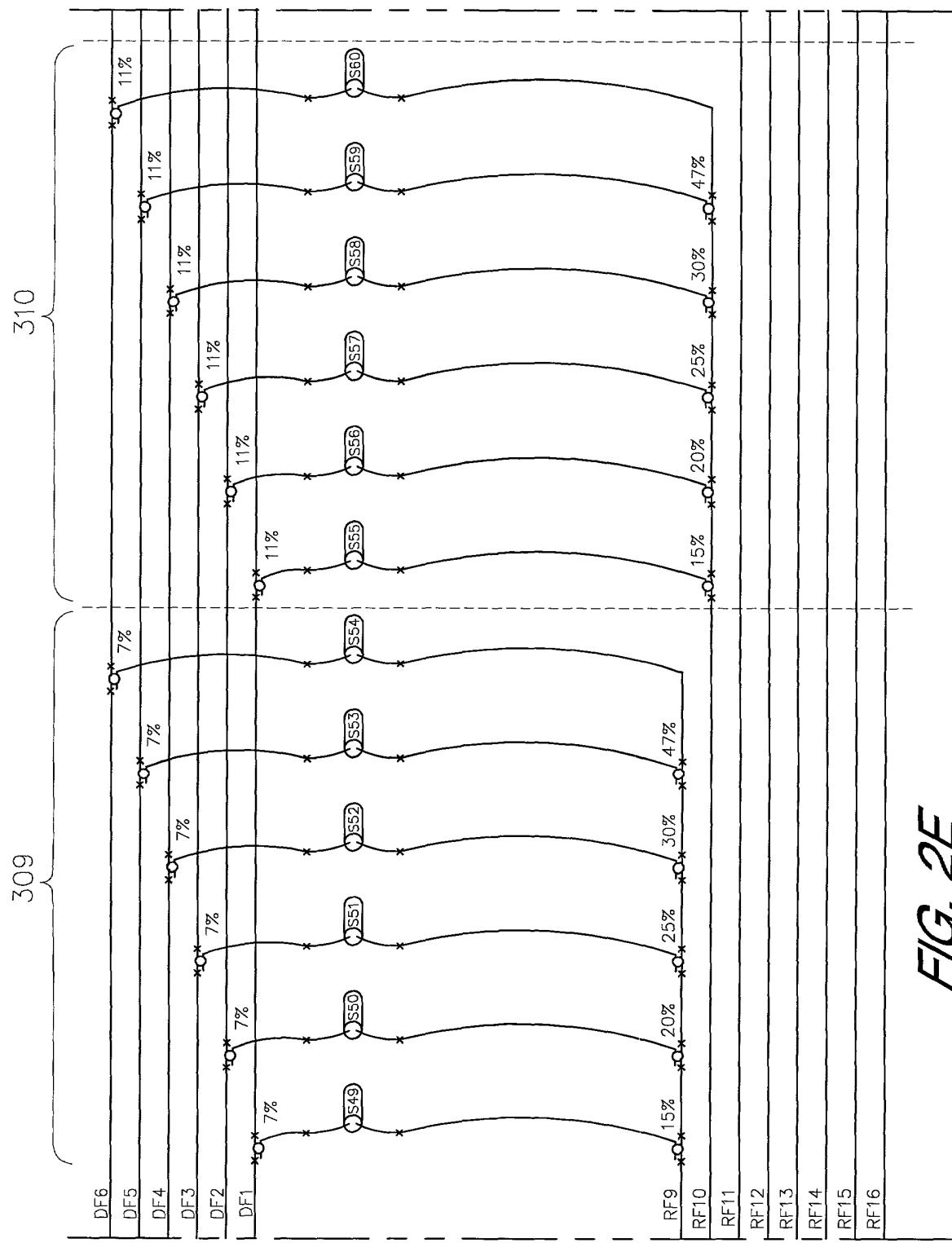


FIG. 2E

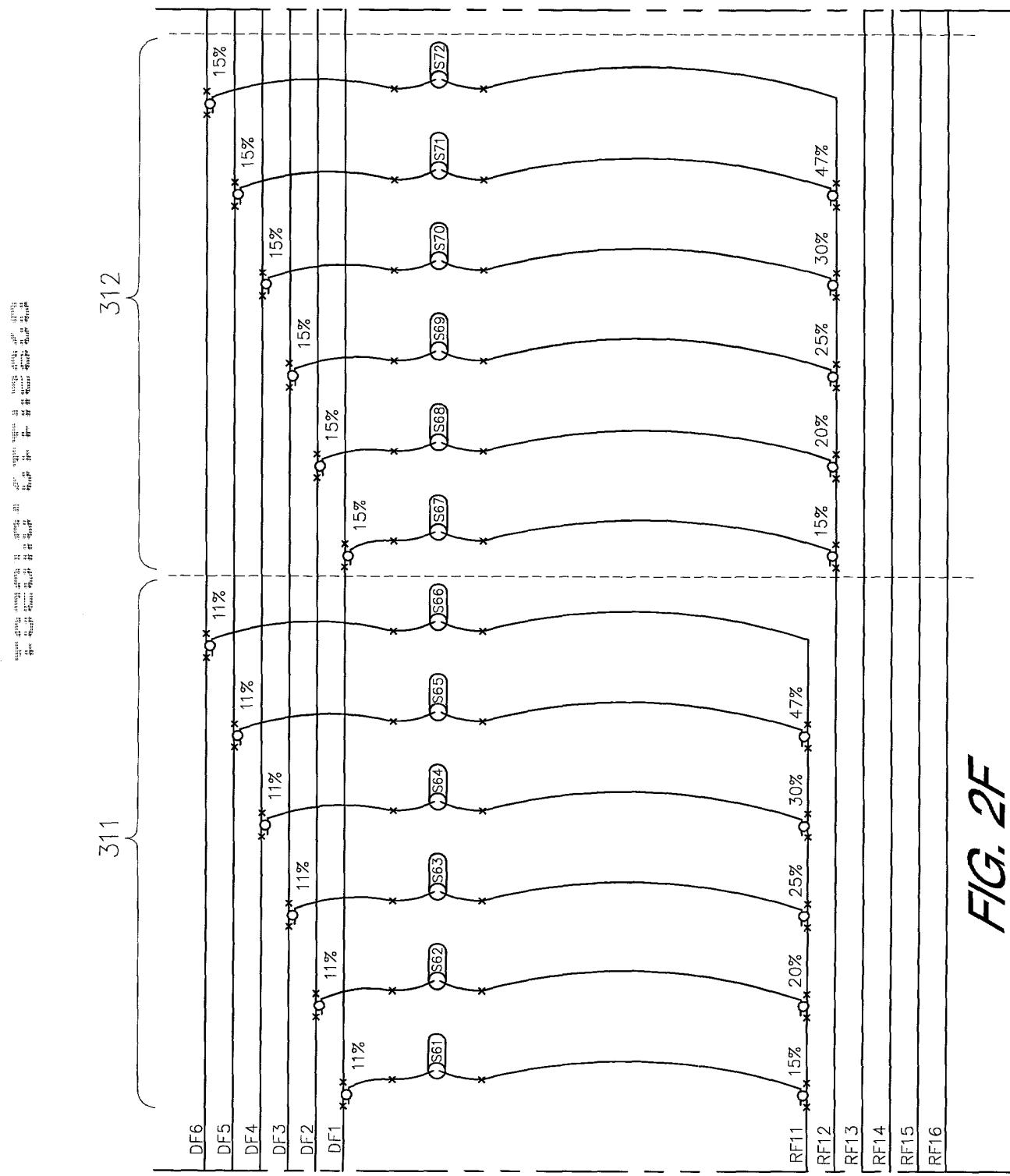
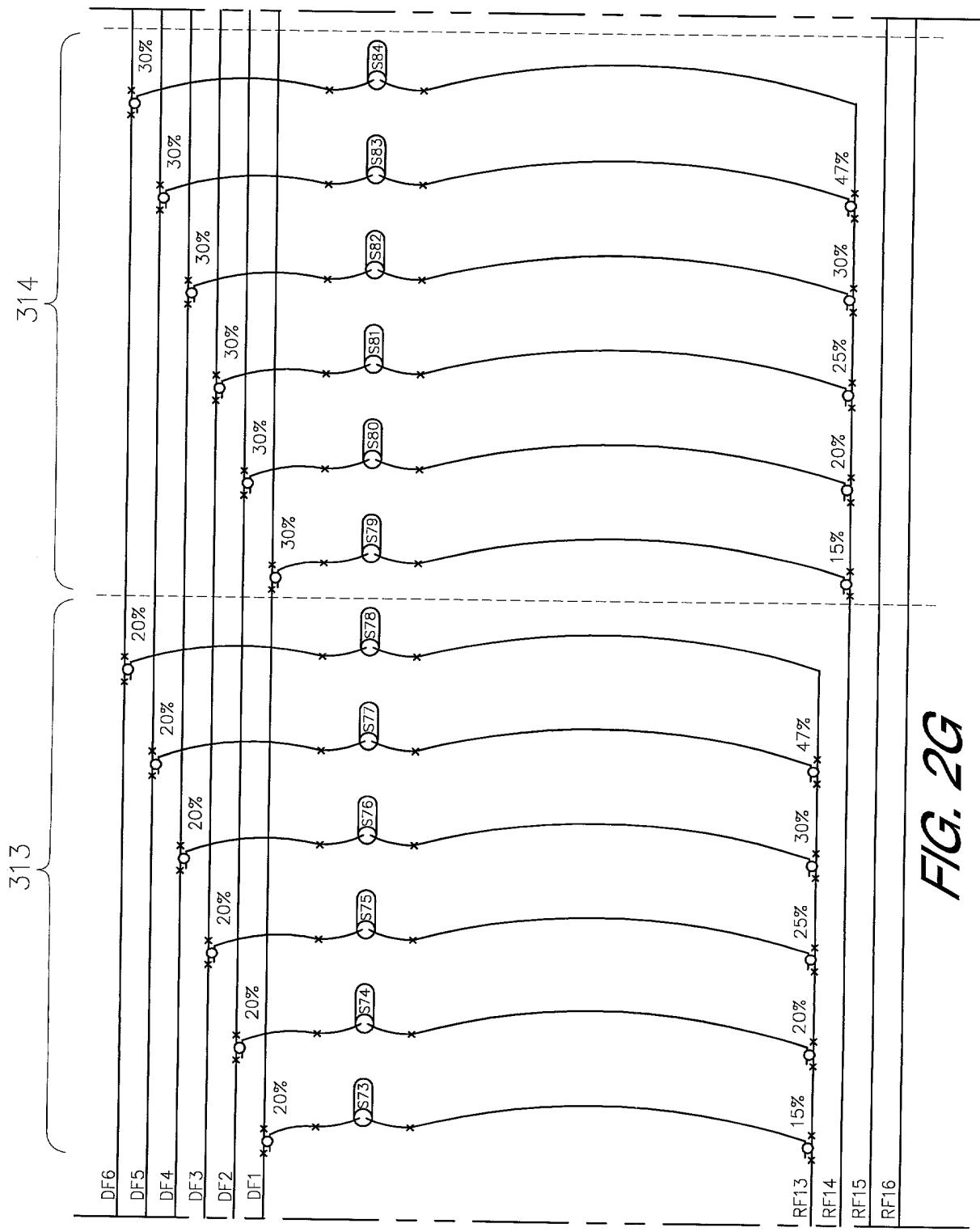


FIG. 2F

FIG. 2G



DF6 DF5 DF4 DF3 DF2 DF1 RF15 RF16

315

316

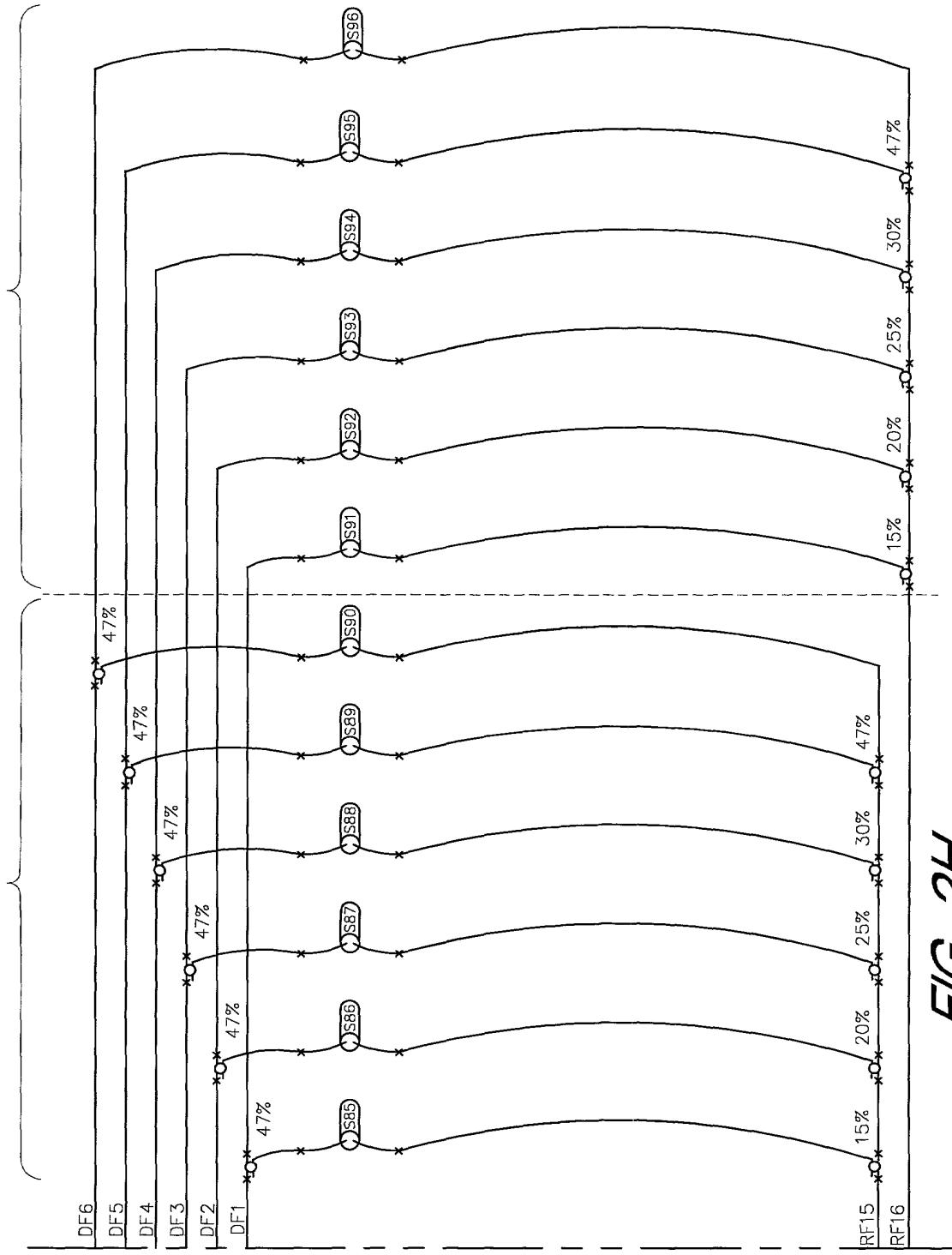


FIG. 2H

FIG. 3

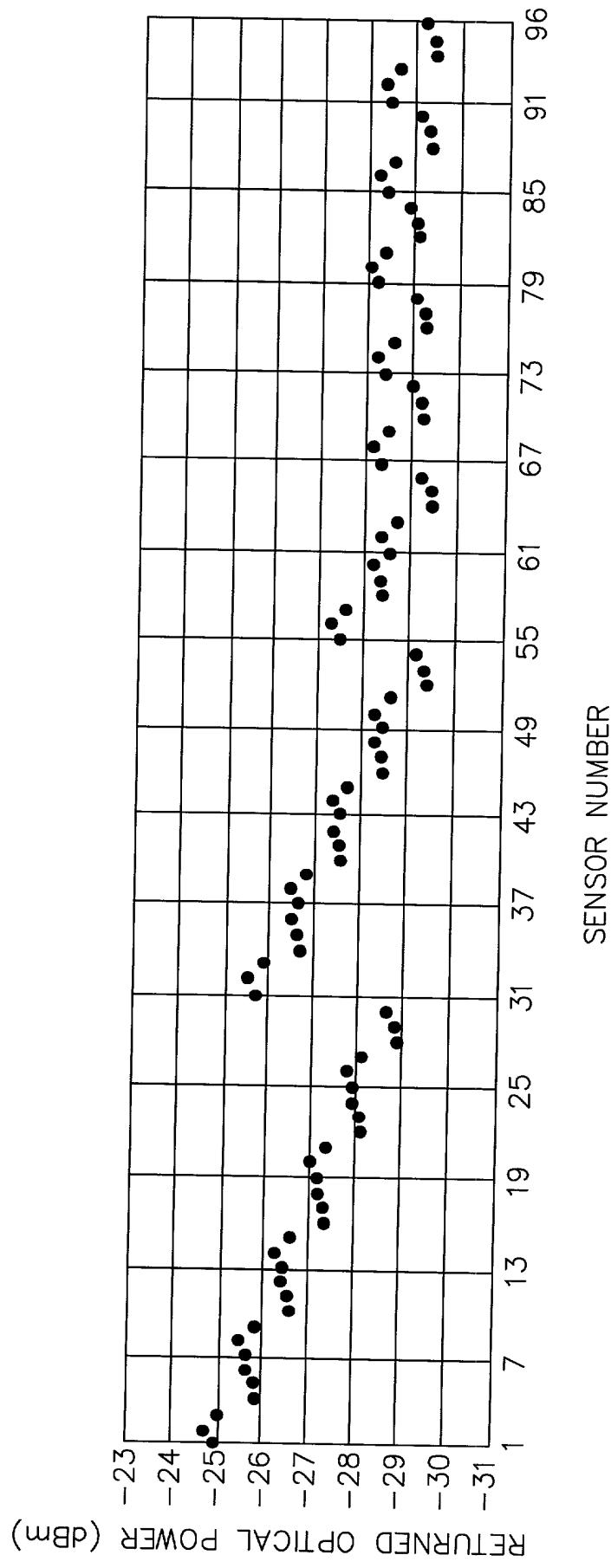
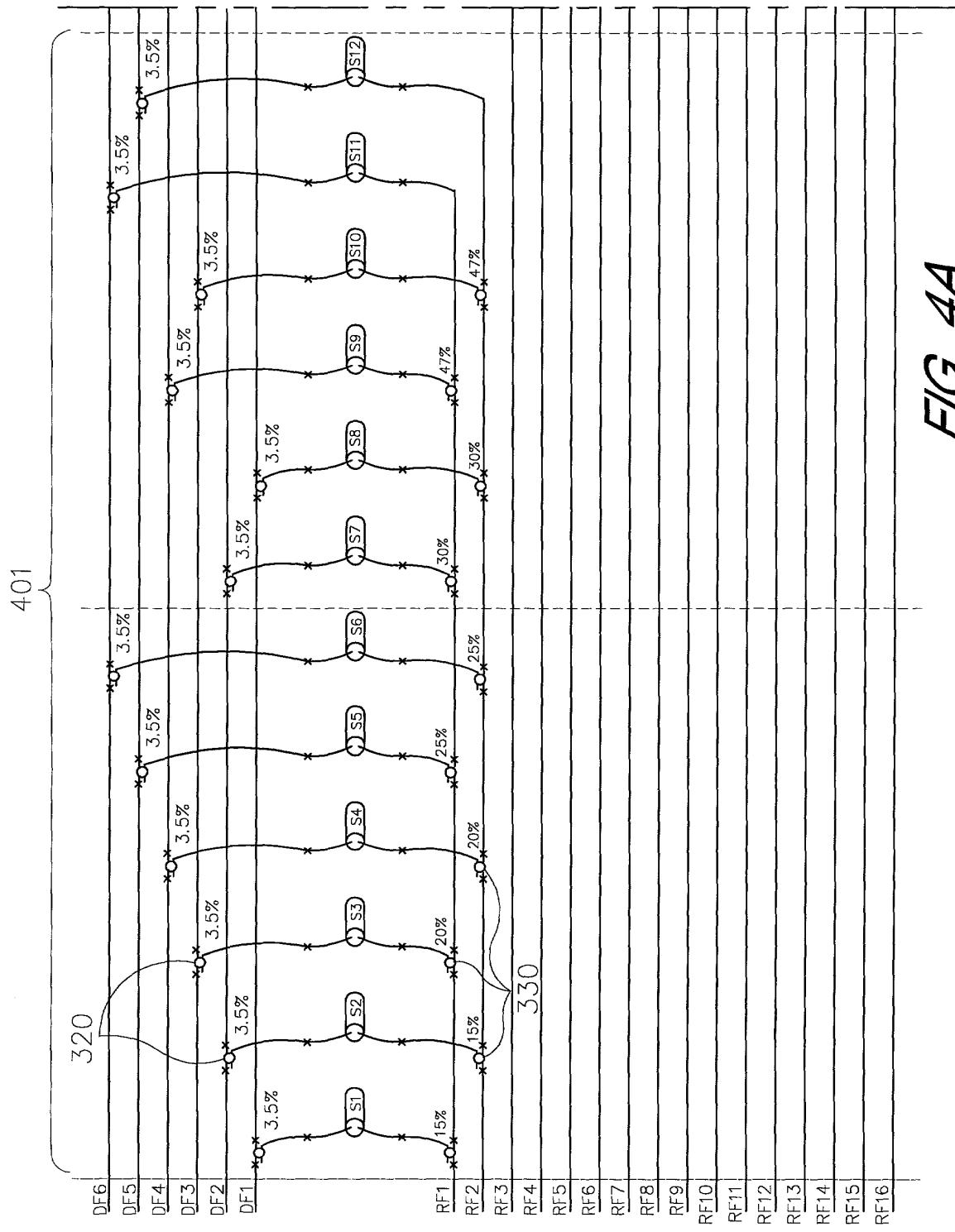


FIG. 4

<i>FIG. 4A</i>	<i>FIG. 4B</i>	<i>FIG. 4C</i>	<i>FIG. 4D</i>	<i>FIG. 4E</i>	<i>FIG. 4F</i>	<i>FIG. 4G</i>	<i>FIG. 4H</i>
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FIG. 4A



402

DF1 DF2 DF3 DF4 DF5 DF6 RF3 RF4 RF5 RF6 RF7 RF8 RF9 RF10 RF11 RF12 RF13 RF14 RF15 RF16

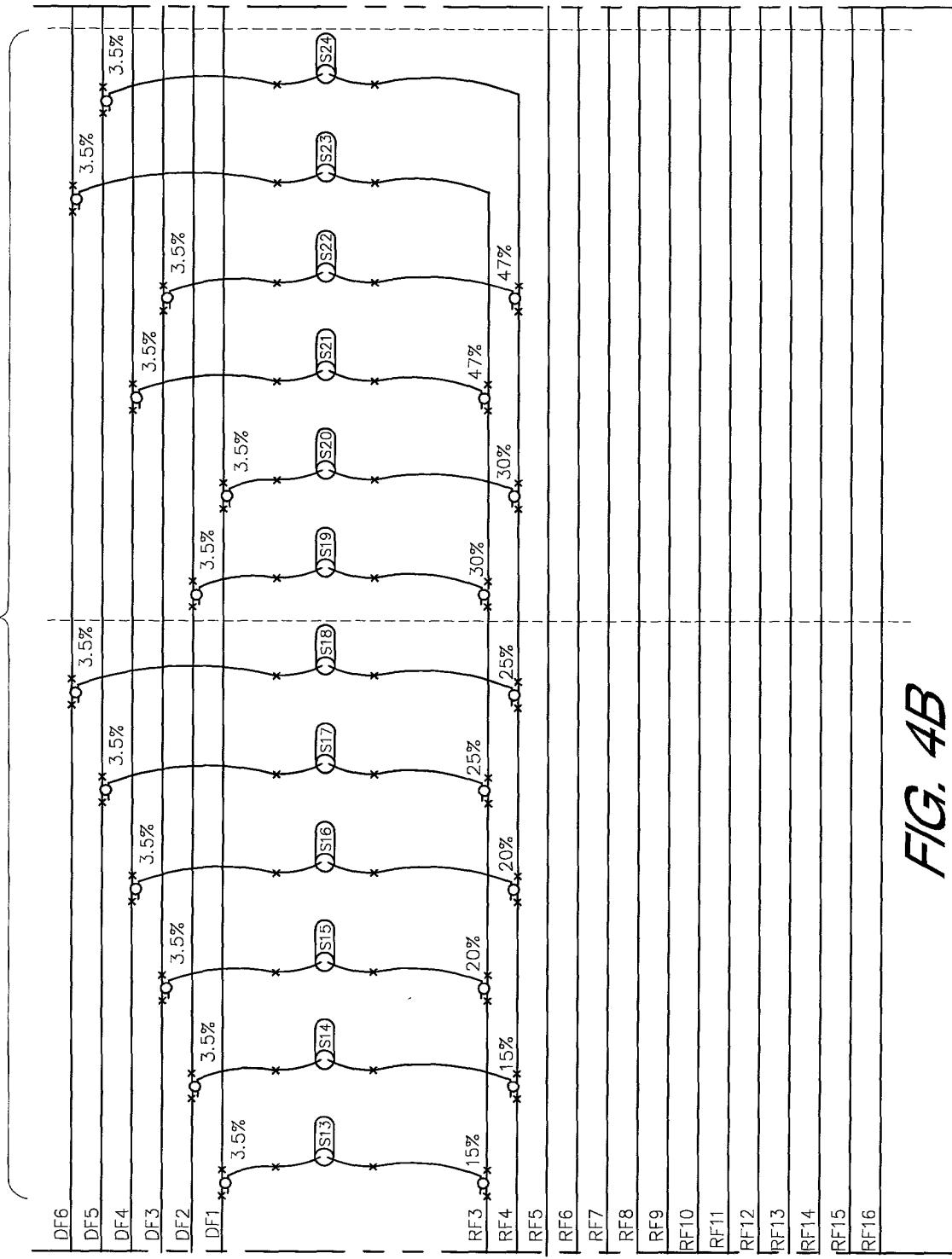
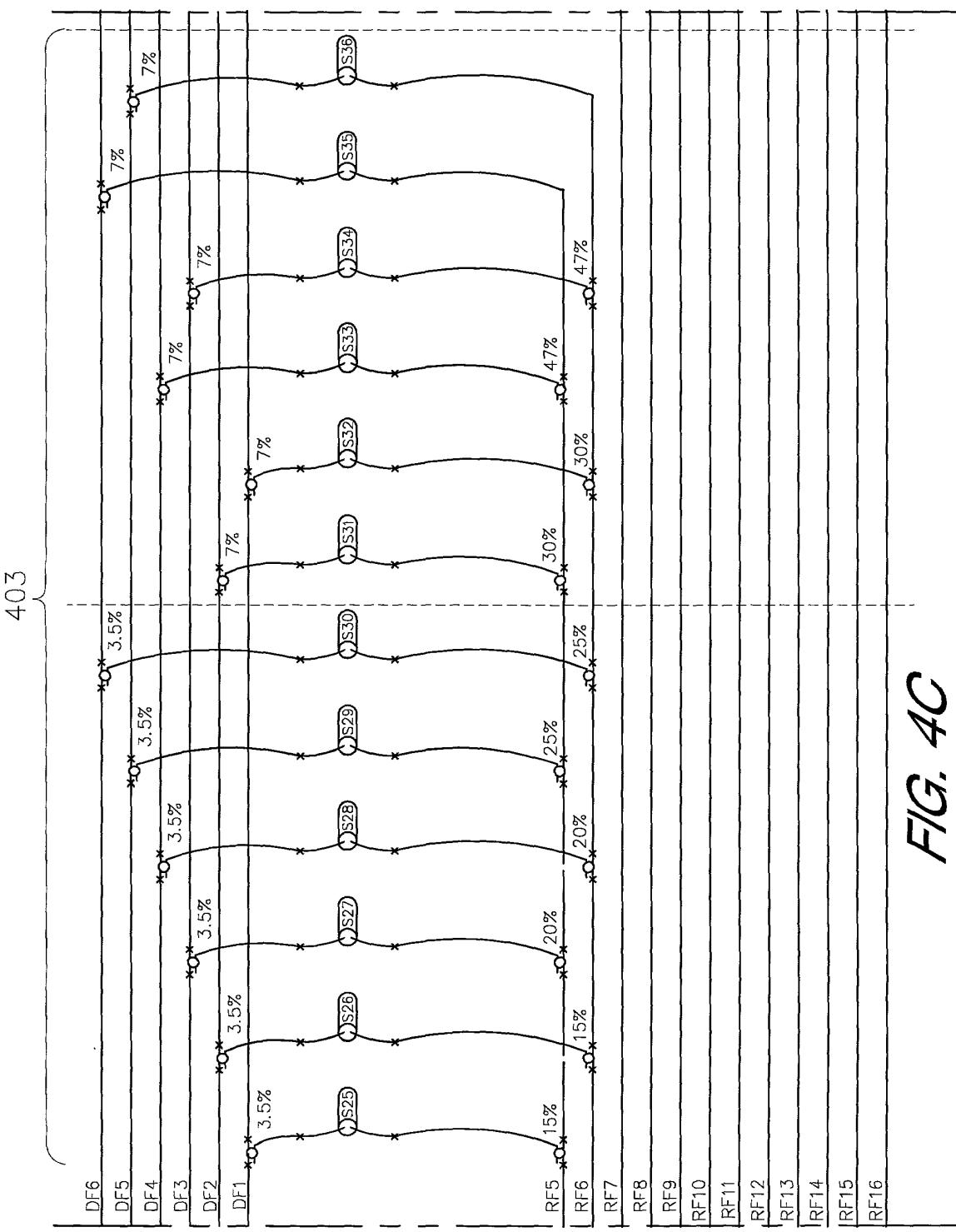


FIG. 4B

FIG. 4C



404

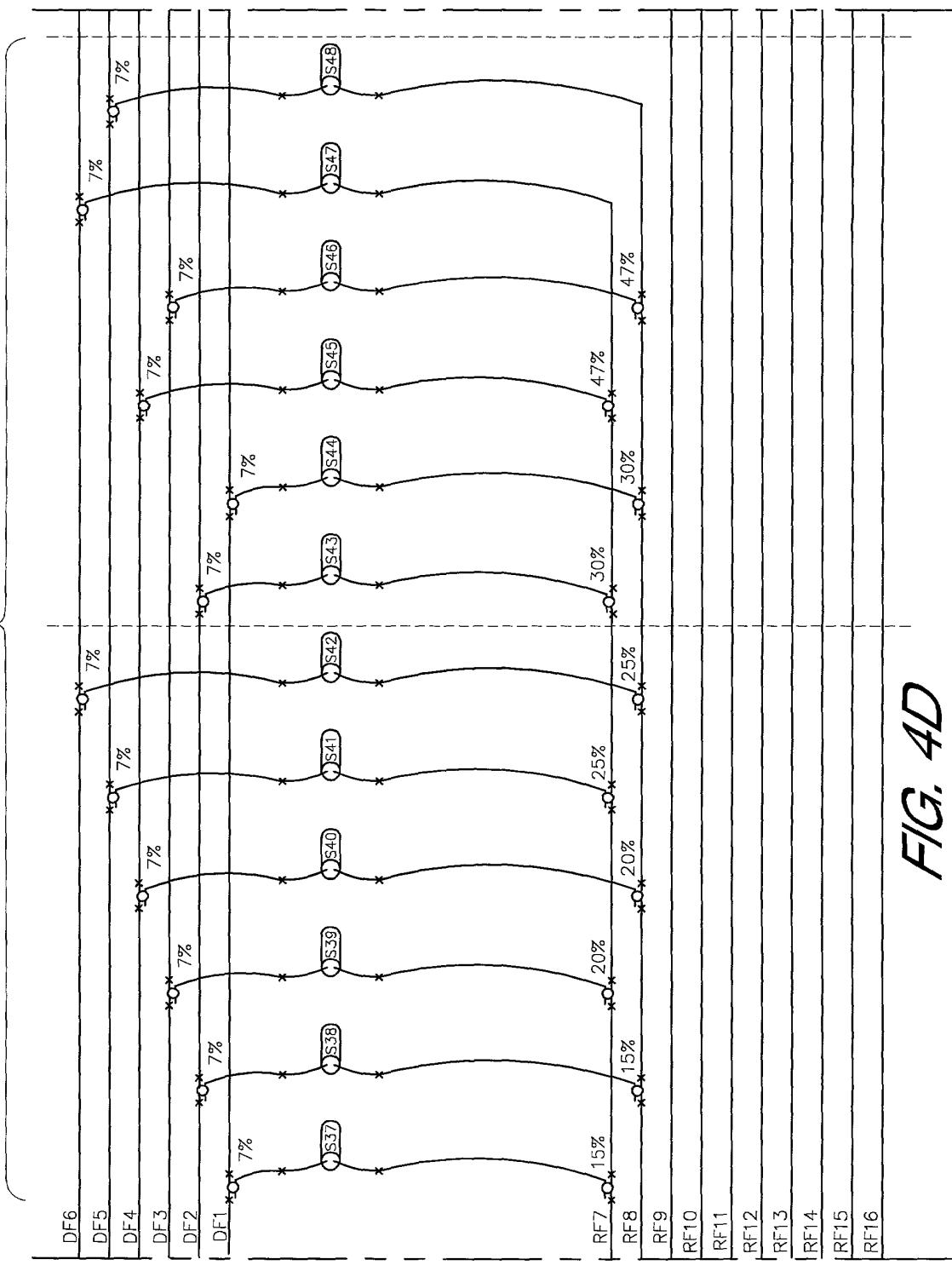


FIG. 4D

405

DF6 DF5 DF4 DF3 DF2 DF1 RF9 RF10 RF11 RF12 RF13 RF14 RF15 RF16

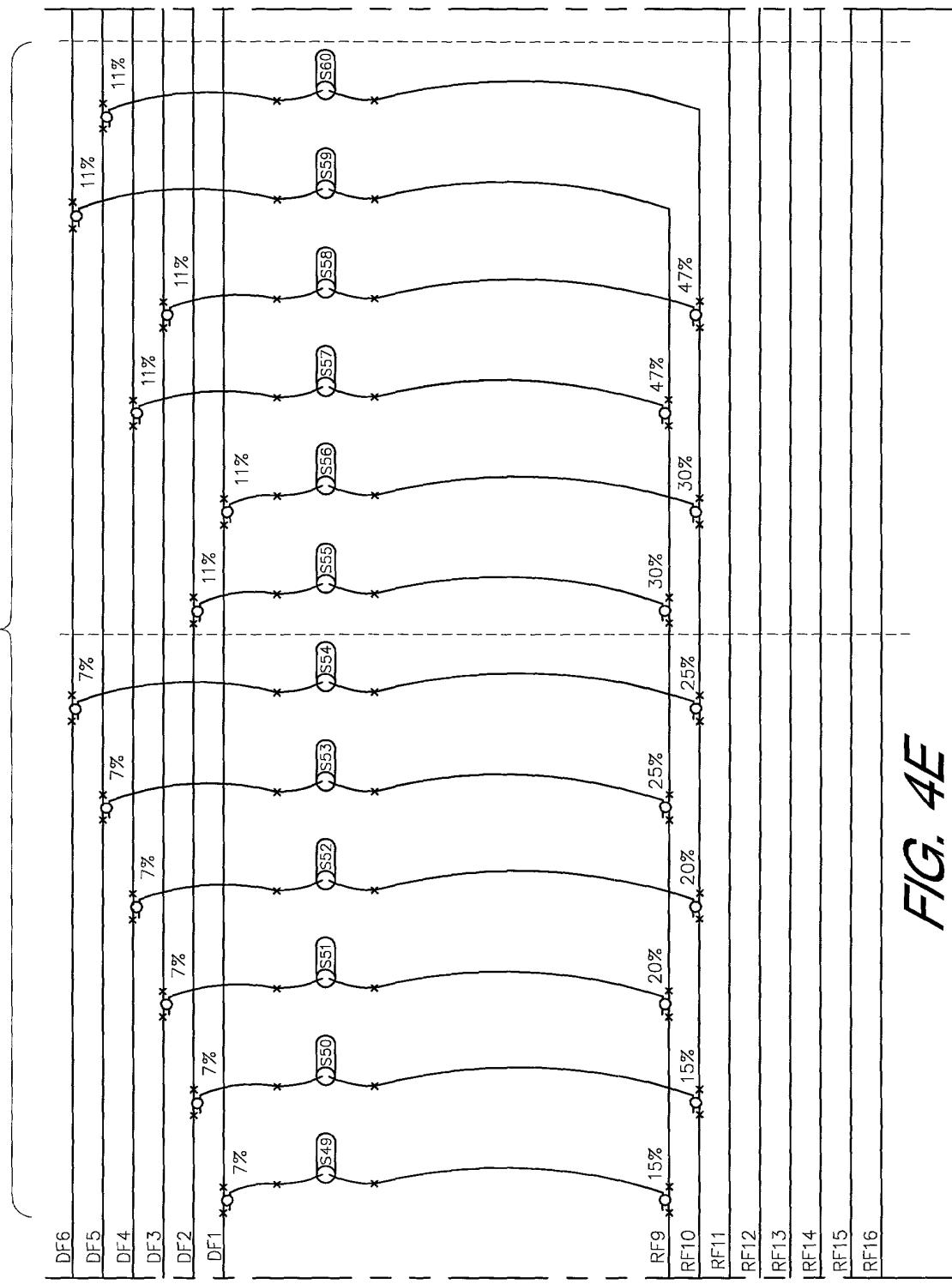


FIG. 4E

406

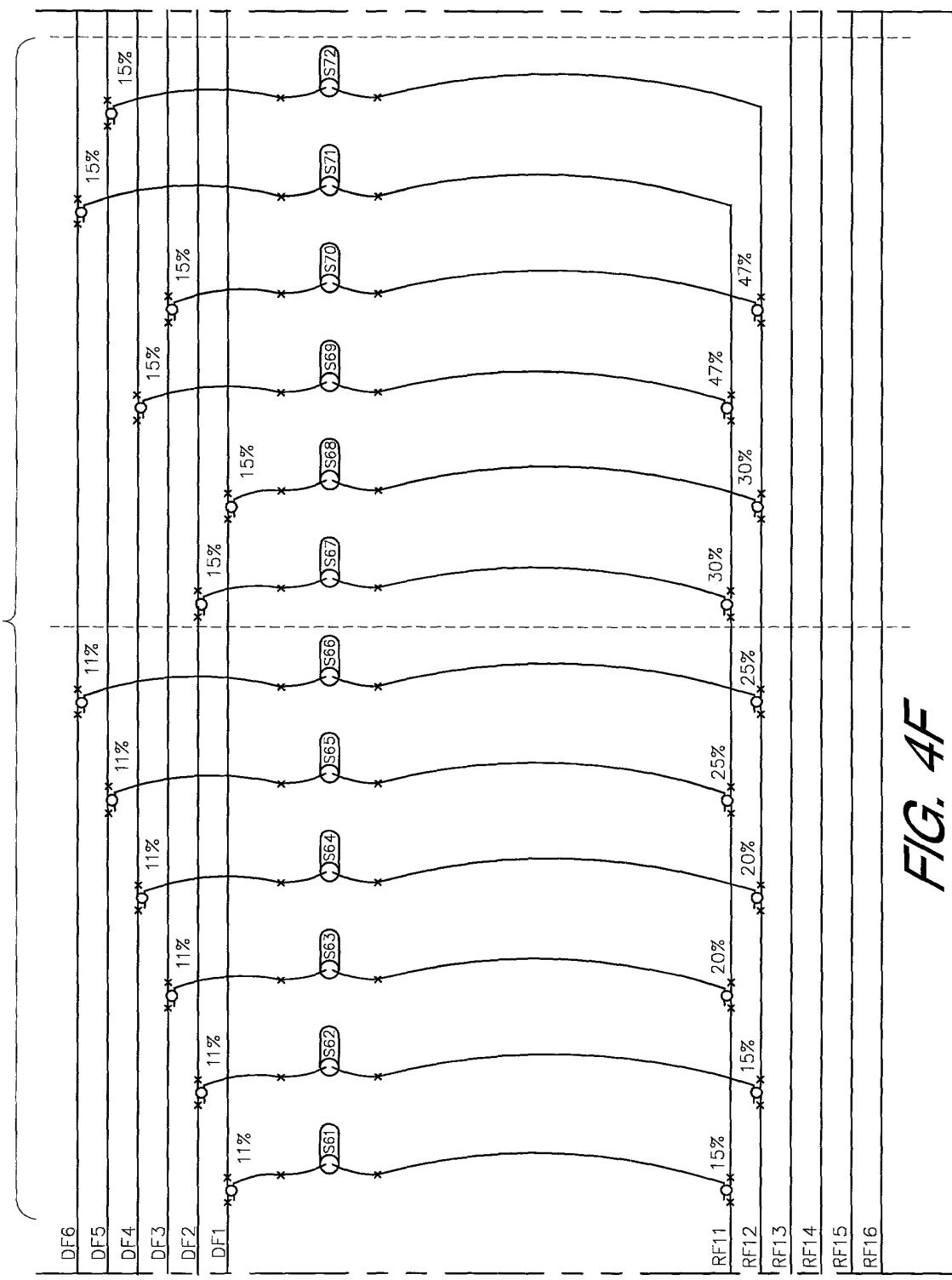
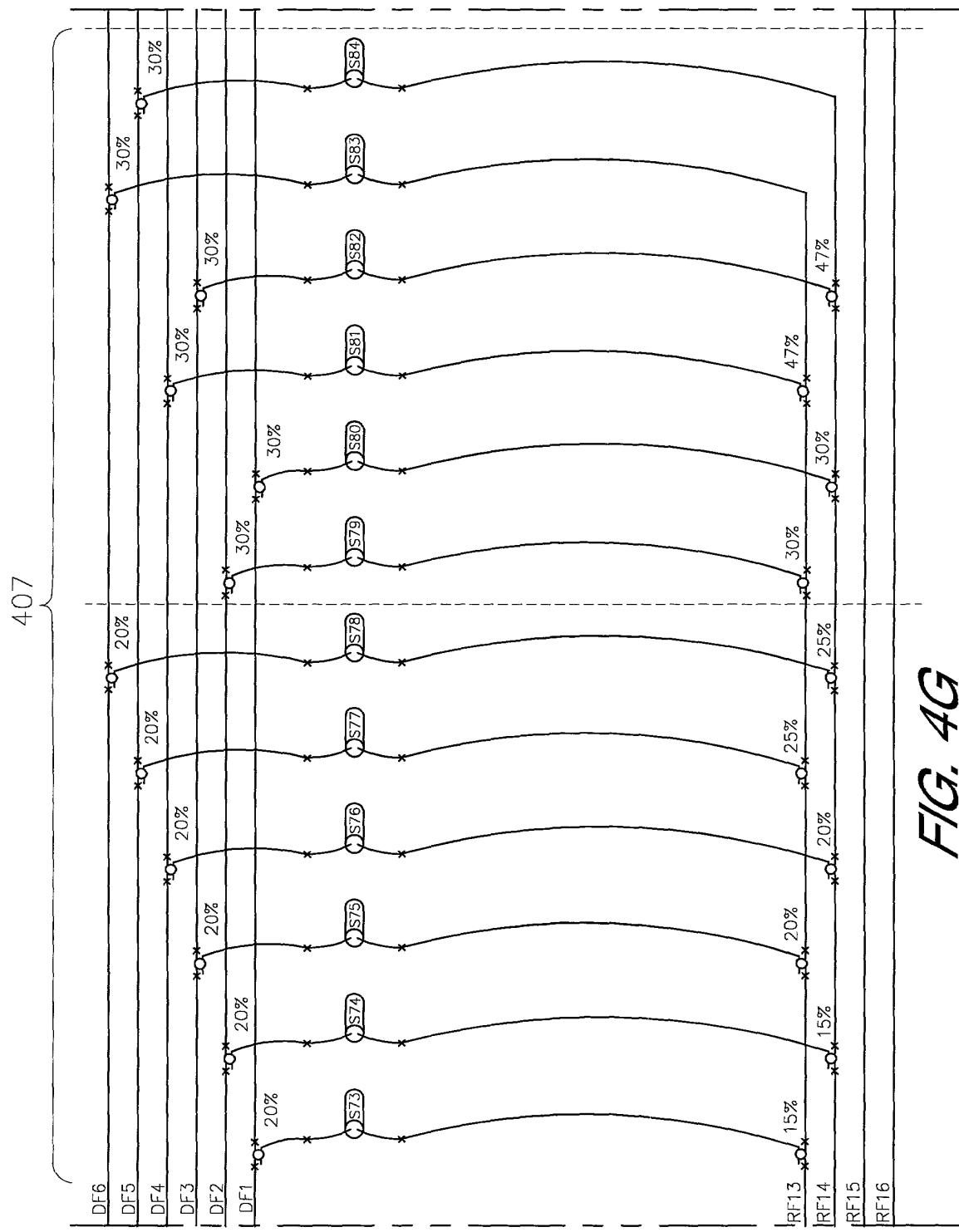


FIG. 4F

FIG. 4G



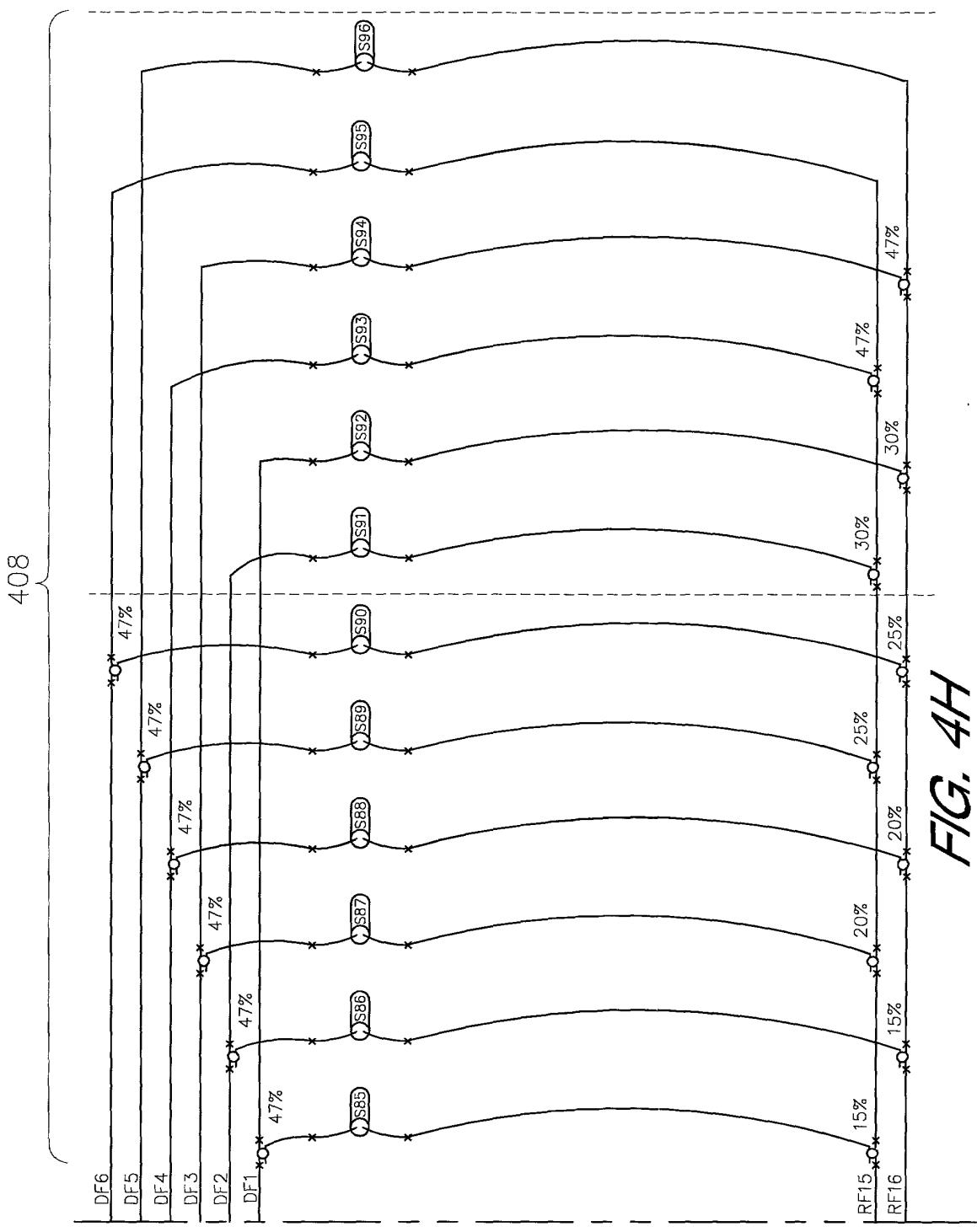


FIG. 4H

SENSOR NUMBER

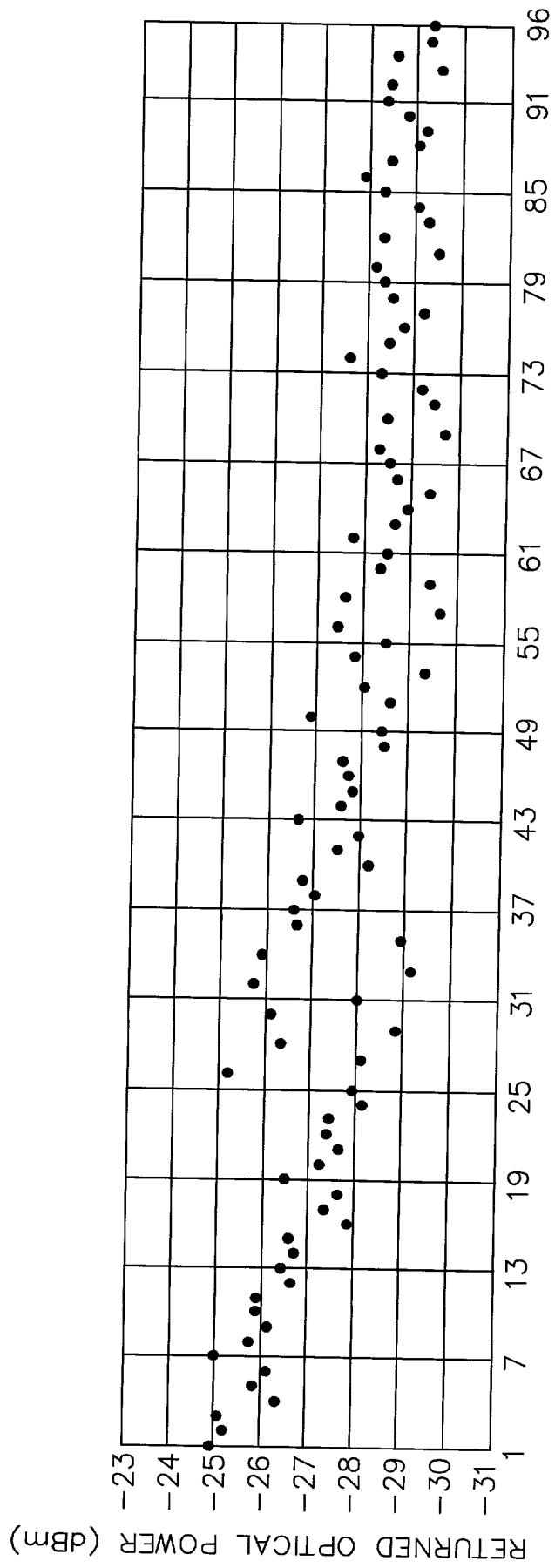


FIG. 5